

535,013

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
27 May 2004 (27.05.2004)

PCT

(10) International Publication Number
WO 2004/044230 A1

(51) International Patent Classification⁷: C12Q 1/00 of Medicine, Institute of Medical Genetics, Heath Park, Cardiff CF14 4XN (GB).

(21) International Application Number: PCT/GB2003/004740

(74) Agents: FYLES, Julie, Marie et al.; Wynne-Jones Laine & James, Morgan Arcade Chambers, 33 St Mary Street, Cardiff CF10 1AF (GB).

(22) International Filing Date: 4 November 2003 (04.11.2003)

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0226441.4 12 November 2002 (12.11.2002) GB

PCT/GB02/005112

0308242.7 12 November 2002 (12.11.2002) GB

0308238.5 10 April 2003 (10.04.2003) GB

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (for all designated States except US): UNIVERSITY OF WALES COLLEGE OF MEDICINE [GB/GB]; Heath Park, Cardiff CF4 4XN (GB).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(72) Inventors; and

(75) Inventors/Applicants (for US only): FRYKLUND, Linda [SE/SE]; Pharmacia AB, Lindhagensgatan 100, S-112 87 Stockholm (SE). LEWIS, Mark [GB/GB]; University of Wales College of Medicine, Institute of Medical Genetics, Heath Park, Cardiff CF 14 4XN (GB). COOPER, David [GB/GB]; University of Wales College

WO 2004/044230 A1

(54) Title: A METHODOLOGY OF ESTIMATING THE CONFORMATION OF A PROTEIN BY PROTEOLYSIS

(57) Abstract: The invention relates to a method for determining the effect of a polymorphism or mutation on the structural properties of a protein wherein the method relies on the structural properties of the protein and so its cleavage during proteolysis.